

ABSTRACT OF THE DISCLOSURE

A vehicle instrument cluster 10 includes a dial or display 16 having a graphical image that is illuminated by a light source. The light source is mounted to a printed circuit board (PCB). A light housing is used to support the dial relative to the PCB. The light housing includes an inclined reflective surface that is located directly above the light source. The light housing also includes at least one radially extending channel used to more evenly illuminate a desired portion of the graphical image. The channel includes a flat portion that is mounted directly to the PCB. An intermediate portion extends from the flat portion and is spaced apart from the PCB to define a gap. The instrument cluster control electronics are mounted to the PCB within this gap. A beveled portion extends from the intermediate portion upwardly toward the dial. The inclined reflective surface, channel, intermediate portion, and beveled portion cooperate to provide multiple reflective surfaces for evenly and brightly illuminating the graphical image.

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